What do salt, snowflakes and diamonds have in common? They are all crystals! Crystallographers study how atoms are organized in crystals using X-ray fluorescence, spectroscopic techniques, microscopic images, and computer modeling to understand the relationship between atomic structure and the properties of crystals.

Quick facts
- Salary: $107,800
- Education: Bachelor's degree in Geology

Soft skills
- concentration
- attention to detail
- abstract reasoning

Hard skills
- earth sciences
- chemistry
- mathematics

Crystallographer